

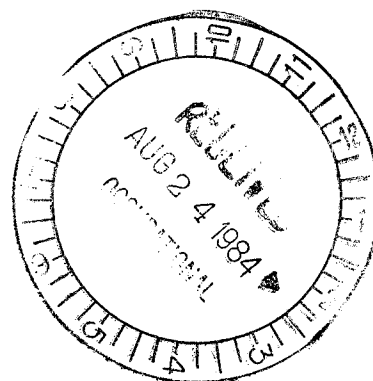
M A T E R I A L S A F E T Y D A T A S H E E T

CIBA-GEIGY CORPORATION
PLASTICS & ADDITIVES DIVISION
THREE SKYLINE DRIVE
HAWTHORNE, NEW YORK 10532
(914) 347-4700

TRADE NAME: R-922 GRAPHITE PREPREG

FAMILY/NAME: MULTIFUNCTIONAL EPOXY RESIN + AROMATIC AMINE + GRAPHITE
FIBER

PRODUCT TYPE: EPOXY/GRAPHITE PREPREG



PHYSICAL DATA :

APPEARANCE AND ODOR:
BLACK, STICKY, SOLID SHEETS
PERCENT VOLATILE:
<1%
SOLUBILITY IN WATER:
NEGLECTIBLE
VAPOR PRESSURE:
AT 20C, <0.1 MM HG

FIRE AND EXPLOSION HAZARD DATA :

DOT CLASS:
NOT REGULATED
EXTINGUISHING MEDIA:
WATER, FOAM, DRY CHEMICAL
FIRE FIGHTING PROCEDURES-SPECIAL:
USE SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC.

REACTIVITY DATA :

STABILITY:
STABLE

R-922 GRAPHITE PREPREG

CONDITIONS TO AVOID:

AVOID STORAGE AT ELEVATED TEMPERATURES

INCOMPATIBILITY:

STRONG OXIDIZERS, ACIDS AND ALKALIES.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN AND SULFUR
CONTAINING COMPOUNDS.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

CONDITIONS TO AVOID:

TEMPERATURES ABOVE 300F

HEALTH HAZARD DATA :

ORAL LD50:

(RATS) CA 5400 MG/KG

SKIN IRRITATION:

(RABBITS) MINIMAL IRRITATION

OVEREXPOSURE EFFECTS:

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION,
SENSITIZATION OR DERMATITIS

EMERGENCY AND FIRST AID PROCEDURES-EYES:

IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.
CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES-SKIN:

WASH WITH SOAP AND WATER. ANY MATERIAL ADHERING TO SKIN
SHOULD BE REMOVED WITH RESIN-REMOVING CREAMS.

****DO NOT USE SOLVENTS**** IF IRRITATION DEVELOPS, CONSULT A
PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES-INGESTION:

IF CONSCIOUS, GIVE LARGE QUANTITIES OF WATER OR MILK.
INDUCE VOMITING. CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES-INHALATION:

REMOVE TO FRESH AIR. GIVE OXYGEN AND/OR ARTIFICIAL
RESPIRATION, IF NEEDED. CALL A PHYSICIAN.

EMERGENCY AND FIRST AID PROCEDURES-OTHER:

WASH CONTAMINATED CLOTHING PRIOR TO REUSE.

SPILL OR LEAK PROCEDURES :

SPILL PROCEDURES:

COLLECT AND PLACE INTO A CLOSABLE CONTAINER FOR DISPOSAL.
WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW.

WASTE DISPOSAL METHODS:

DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
REGULATIONS; BURIAL RECOMMENDED.

RCRA STATUS:

NOT A HAZARDOUS WASTE UNDER RCRA (40 CFR 261).

SPECIAL PROTECTION INFORMATION :

VENTILATION:

R-922 GRAPHITE PREPREG

GOOD GENERAL MECHANICAL VENTILATION AND LOCAL EXHAUST
DURING CURING AND MACHINING OPERATIONS.

PROTECTIVE GLOVES:

WEAR GLOVES AS A STANDARD HANDLING PROCEDURE.

EYE PROTECTION:

WEAR SAFETY GOGGLES TO PROTECT EYES FROM DUST AND LOOSE
FIBERS DURING HANDLING OR MACHINING.

RESPIRATORY PROTECTION:

USE NIOSH APPROVED RESPIRATOR OR DUST MASK WHERE DUST ARISES
FROM USE.

OTHER PROTECTIVE EQUIPMENT:

WEAR APPROPRIATE EQUIPMENT TO PREVENT EYE OR SKIN CONTACT.
USE OF BARRIER CREAM RECOMMENDED.

SPECIAL PRECAUTIONS :

HANDLING, SHIPPING AND STORING PRECAUTIONS:

IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE, HANDLE WITH
CARE AND AVOID PERSONAL CONTACT. USE WITH GOOD VENTILATION.
WASH HANDS AND FACE THOROUGHLY BEFORE EATING, DRINKING; OR
SMOKING. DO NOT ALLOW EATING, DRINKING, OR SMOKING IN THE
WORK AREA. STORE MATERIALS IN CLOSED CONTAINERS IN A COOL,
DRY PLACE. STORE AWAY FROM FOOD AND FOOD CONTAINERS.
FOR MANUFACTURING USE ONLY.

ISSUE DATE: 05/11/84

FOR FURTHER INFORMATION, PLEASE CONTACT: DR. JONAS WEISS

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DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY
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